

Amendments to the Specification

Please amend the above-identified patent application by replacing the text of the Abstract with the following text:

A method for providing a personalized bidirectional channel in broadcasting systems. In cellular broadcasting system the method contains the steps of: allocating a first group of subcarriers to broadcast transmission and a second group of subcarriers to personalized channels; reducing interference in the broadcast transmission by using equalizer; and reducing interference in the personalized channels by using controlled allocation of subcarriers in the second group to each subscriber. In OFDM broadcasting system the method contains the steps of: transmitting OFDM transmission from the base-station to the subscriber units; transmitting from the subscriber units to the base-station signals that are orthogonal to signals transmitted from the base-station; and receiving the orthogonal signals at the base-station.